

Floating Ball Valve Manufacturer in USA



Valvesonly is a reputed [Floating Ball Valve Manufacturer in USA](#). Floating ball valves are a type of quarter-turn valve used to control the flow of fluids in pipelines. The distinguishing feature of floating ball valves is the design of the ball, which is not fixed in place within the valve body but instead "floats" between two seats, typically made of resilient material such as PTFE (polytetrafluoroethylene) or elastomers. The ball is held in position by the flow of fluid when the valve is in the open position, allowing it to move freely within the valve body. This design enables the ball to achieve a tight seal against the seats when the valve is closed, effectively stopping the flow of fluid.

Operation:

The operation of floating ball valves is relatively simple and efficient. When the valve is in the open position, fluid flows through the pipeline, and the ball is positioned such that the fluid passes around it. To close the valve, the operator rotates the valve handle or actuator, causing the stem to turn and the ball to pivot towards the seats. As the ball presses against the seats, it creates a seal, preventing the flow of fluid through the valve. Floating ball valves are commonly used in a wide range of industries, including oil and gas, petrochemical, water treatment, and more, due to their reliability, ease of operation, and ability to handle high-pressure and high-temperature applications.

Advantages:

- Quick Operation
- Bi-Directional Flow Control
- Low Torque Requirement
- Wide Range of Applications

- Minimal Leakage
- Full Port and Reduced Port Options
- Fire-Safe Design
- High Pressure and Temperature Capabilities
- Low Maintenance
- Cost-Effective

Applications

- Oil and Gas Industry
- Petrochemical and Chemical Processing
- Water and Wastewater Treatment
- Power Generation
- Marine and Offshore
- Automotive Industry
- Textile Manufacturing
- Aerospace
- Steel and Metals Processing
- Water Distribution
- Mining and Minerals

Description

- The materials in which we manufacture [floating ball valve](#): Cast and Forged offering, A216-WCB, A105N, A351-CF8M, A182-F316 SS, A352-LCC, A350LF2, A350-LF6, F51 Duplex, Alloy 20, Hastelloy C, Other special grade materials
- Class: 150 to 2500
- Ends: Socket weld, butt weld, Flanged, threaded
- Size: 1/4" to 12"
- Pressure: PN 10 – PN 450
- Operation: lever operated, electric actuated, pneumatic actuated, gear

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